

3/24/05 10/77,821/2

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FILE 'HOME' ENTERED AT 03:24:46 ON 21 MAR 2005

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COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

0.21

TOTAL

SESSION

0.21

*Text search for
Prep'n of levethracetam*

FILE 'CAPLUS' ENTERED AT 03:24:54 ON 21 MAR 2005

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FILE COVERS 1907 - 21 Mar 2005 VOL 142 ISS 13

FILE LAST UPDATED: 20 Mar 2005 (20050320/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s jp63027477/pn

L1 2 JP63027477/PN

=> d l1

L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1989:154138 CAPLUS

DN 110:154138

TI Preparation of oxiracetam from glycineamide

IN Hirano, Hideki; Kaneko, Hiroshi; Shimizui, Tsunehiko; Aoki, Kiyoji; Uchida, Toshiro

PA Denki Kagaku Kogyo K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63027477	A2	19880205	JP 1986-167769	19860718 <--
PRAI	JP 1986-167769		19860718		
OS	MARPAT 110:154138				

=> d 11 2

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1982:164477 CAPLUS
DN 96:164477
TI Bleached pulp from unbleached waste paper for compounding with printing paper
PA Mitsubishi Paper Mills, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 57016990	A2	19820128	JP 1980-84206	19800621 <--
	JP 63027477	B4	19880603		
PRAI	JP 1980-84206	A	19800621		

=> s levetiracetam/prep
0 LEVETIRACETAM/CT
3277578 PREP/RL
L2 0 LEVETIRACETAM/PREP
(LEVETIRACETAM/CT (L) PREP/RL)

=> s levetiracetam?
L3 245 LEVETIRACETAM?

=> s L3(L)prepar?
1535346 PREPAR?
115115 PREP
2030 PREPS
116946 PREP
(PREP OR PREPS)
1919688 PREPD
21 PREPDS
1919703 PREPD
(PREPD OR PREPDS)
106087 PREPG
12 PREPGS
106098 PREPG
(PREPG OR PREPGS)
2558919 PREPN
198734 PREPNS
2709454 PREPN
(PREPN OR PREPNS)
4490735 PREPAR?
(PREPAR? OR PREP OR PREPD OR PREPG OR PREPN)
L4 22 L3(L)PREPAR?

=> d L4 ti,au,so,pi,pa

L4 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Process for the **preparation** of pure **levetiracetam**
IN Kumar, Yatendra; Prasad, Mohan; Singh, Kaptan; Dhingra, Surender Kumar
SO PCT Int. Appl.
CODEN: PIXXD2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005023763	A1	20050317	WO 2004-IB2850	20040902
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

PA Ranbaxy Laboratories Limited, India

=> d L4 ti,au,so,pi,pa 1-22

L4 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Process for the **preparation** of pure **levetiracetam**
 IN Kumar, Yatendra; Prasad, Mohan; Singh, Kaptan; Dhingra, Surender Kumar
 SO PCT Int. Appl.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005023763	A1	20050317	WO 2004-IB2850	20040902
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PA Ranbaxy Laboratories Limited, India

L4 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Advances in preparation of (S)- α -ethyl-2-oxo-1-pyrrolidinylacetamide
 AU Xu, Bao-cai; Xin, Xiu-lan; Hu, Yan-xia; Xiao, Yang; Yu, Liang-yun
 SO Jingxi Yu Zhuanyong Huaxuepin (2004), 12(24), 15-17
 CODEN: JYZHA7; ISSN: 1008-1100

L4 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Preparation of benzodiazepine CGRP receptor antagonists
 IN Burgey, Christopher S.; Stump, Craig A.; Williams, Theresa M.
 SO PCT Int. Appl., 86 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005000807	A2	20050106	WO 2004-US20206	20040624
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PA Merck & Co., Inc., USA

L4 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN

TI Preparation of indolone-acetamide derivatives, processes for preparing them and their uses
 IN Starck, Jean-Philippe; Kenda, Benoit
 SO PCT Int. Appl., 69 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087658	A1	20041014	WO 2004-EP2691	20040316
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PA Ucb, S.A., Belg.				

L4 ANSWER 5 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Novel crystalline forms of levetiracetam
 IN Parthasaradhi, Reddy Bandi; Rathnakar, Reddy Kura; Raji, Reddy Rapolu; Muralidhara, Reddy Dasari; Subash, Chander Reddy Kesireddy
 SO PCT Int. Appl., 14 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004083180	A1	20040930	WO 2003-IN58	20030318
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PA Hetero Drugs Limited, India				

L4 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Improved process for the preparation of levetiracetam, an antiepileptic agent, from etiracetam, via N-aminomethylation, resolution, and deaminomethylation
 IN Artus Surroca, Juan Jose; Rafecas Jane, Llorenç; Garriga Sanahuja, Lourdes; Pericas Brondo, Miquel A.; Sola Carandell, Lluís
 SO PCT Int. Appl., 32 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004076416	A1	20040910	WO 2004-ES50	20040206
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ, MZ, NA, NI RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,				

GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG
ES 2214147 A1 20040901 ES 2003-482 20030228
PA Farma-Lepori S.A., Spain

L4 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Process for producing levetiracetam
IN Dolityzky, Ben-Zion
SO PCT Int. Appl., 17 pp.
CODEN: PIXXD2

our epp

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004069796	A2	20040819	WO 2004-US3149	20040203
WO 2004069796	A3	20050106		
W:	AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ, MZ, NA, NI			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2004259933	A1	20041223	US 2004-771821	20040203
PA	Teva Pharmaceutical Industries Ltd., Israel; Teva Pharmaceuticals USA, Inc.; Hildesheim, Jean; Finogueev, Serguei			

L4 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Intracellular calcium increase in epileptiform activity: modulation by levetiracetam and lamotrigine
AU Pisani, Antonio; Bonsi, Paola; Martella, Giuseppina; de Persis, Cristiano; Costa, Cinzia; Pisani, Francesco; Bernardi, Giorgio; Calabresi, Paolo
SO Epilepsia (2004), 45(7), 719-728
CODEN: EPILAK; ISSN: 0013-9580

L4 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Is the persistent sodium current a specific target of anti-absence drugs?
AU Niespodziany, Isabelle; Klitgaard, Henrik; Margineanu, Doru Georg
SO NeuroReport (2004), 15(6), 1049-1052
CODEN: NERPEZ; ISSN: 0959-4965

L4 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Delayed release drug delivery systems containing polymers and method for preparation by mixing and compacting
IN Hanshermann, Franke; Lennartz, Peter; Raimer, Joern
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003101428	A1	20031211	WO 2003-EP5115	20030515
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

DE 10224170 A1 20031211 DE 2002-10224170 20020531
BR 2003011512 A 20050222 BR 2003-11512 20030515
EP 1509205 A1 20050302 EP 2003-735396 20030515
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
PA Desitin Arzneimittel GmbH, Germany

L4 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Effects of antiepileptic drugs on refractory seizures in the intact
immature corticohippocampal formation in vitro
AU Quilichini, Pascale Paule; Diabira, Diabe; Chiron, Catherine; Milh,
Mathieu; Ben-Ari, Yehezkel; Gozlan, Henri
SO Epilepsia (2003), 44(11), 1365-1374
CODEN: EPILAK; ISSN: 0013-9580

L4 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Use of 2-oxo-1-pyrrolidone derivatives for the treatment of an excitatory
state at induction of or during emergence from anesthesia
IN Massingham, Roy; Lamberty, Yves
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003094913	A1	20031120	WO 2003-EP4982	20030513
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PA UCB, S.A., Belg.

L4 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Developmental outcome of levetiracetam, its major metabolite in humans,
2-pyrrolidinone N-butyric acid, and its enantiomer (R)- α -ethyl-oxo-
pyrrolidine acetamide in a mouse model of teratogenicity
AU Isoherranen, Nina; Spiegelstein, Ofer; Bialer, Meir; Zhang, Jing;
Merriweather, Michelle; Yagen, Boris; Roeder, Michael; Triplett, Aleata
A.; Schurig, Volker; Finnell, Richard H.
SO Epilepsia (2003), 44(10), 1280-1288
CODEN: EPILAK; ISSN: 0013-9580

L4 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI 2-(2-Oxopyrrolidin-1-yl)butyramide
AU Song, Jian; Lou, Ke Xia; Li, Xiao Jun; Wu, Xiao Ping; Feng, Rong Xiu
SO Acta Crystallographica, Section E: Structure Reports Online (2003),
E59(11), o1772-o1773
CODEN: ACSEBH; ISSN: 1600-5368
URL: <http://journals.iucr.org/e/issues/2003/11/00/ci6284/index.html>

L4 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
TI Use of 2-oxo-1-pyrrolidine derivatives for the preparation of a drug
IN Grimee, Renee; Klitgaard, Henrik
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003030899	A2	20030417	WO 2002-EP11203	20021007
WO 2003030899	A3	20040108		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1435943 A2 20040714 EP 2002-774687 20021007

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

JP 2005504834 T2 20050217 JP 2003-533931 20021007

US 2004242671 A1 20041202 US 2004-489660 20040315

PA UCB, S.A., Belg.

L4 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Preparation** of oxopyrrolidine compounds and their use in the manufacture of **levetiracetam** and analogs

IN Ates, Celal; Surtees, John; Burteau, Anne-Catherine; Marmon, Violeta; Cavoy, Emile

SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003014080	A2	20030220	WO 2002-EP8717	20020805
WO 2003014080	A3	20031106		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1419144	A2	20040519	EP 2002-764832	20020805
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005507378	T2	20050317	JP 2003-519030	20020805
US 2004204476	A1	20041014	US 2004-486342	20040210

PA UCB, S.A., Belg.

L4 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN

TI Effect of levetiracetam on epileptiform discharges in human neocortical slices

AU Gorji, Ali; Hoehling, Jorg-Michael; Madeja, Michael; Straub, Heidrun; Koehling, Ruediger; Tuxhorn, Ingrid; Ebner, Alois; Wolf, Peter; Panneck, H. W.; Behne, F.; Lahl, Rainer; Speckmann, Erwin-Joseph

SO Epilepsia (2002), 43(12), 1480-1487
CODEN: EPILAK; ISSN: 0013-9580

L4 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN

TI 2-Oxopiperidinyl- and 2-oxoazepanylalkanoic acid derivatives for the treatment of epilepsy and other neurological disorders

IN Michel, Philippe; Kenda; Benoit

SO PCT Int. Appl., 63 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002094787	A1	20021128	WO 2002-EP5503	20020517

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1395560 A1 20040310 EP 2002-740619 20020517

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2004132717 A1 20040708 US 2003-476791 20031106

PA Ucb, S.A., Belg.

L4 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Interactions between antiepileptic drugs and hormonal contraception
 AU Crawford, Pamela
 SO CNS Drugs (2002), 16(4), 263-272
 CODEN: CNDREF; ISSN: 1172-7047

L4 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Process for preparation of 2-oxo-1-pyrrolidine derivatives
 IN Surtees, John; Marmon, Violeta; Differding, Edmond; Zimmermann, Vincent
 SO PCT Int. Appl., 33 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001064637	A1	20010907	WO 2001-EP1956	20010221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2401048	AA	20010907	CA 2001-2401048	20010221
AU 2001073896	A5	20010912	AU 2001-73896	20010221
AU 778510	B2	20041209		
EP 1263727	A1	20021211	EP 2001-940256	20010221
EP 1263727	B1	20041117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001008657	A	20030429	BR 2001-8657	20010221
JP 2003528828	T2	20030930	JP 2001-563480	20010221
EP 1447399	A1	20040818	EP 2004-7733	20010221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1452524	A1	20040901	EP 2004-7878	20010221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1477478	A2	20041117	EP 2004-8270	20010221
EP 1477478	A3	20041124		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AT 282592	E	20041215	AT 2001-940256	20010221
ZA 2002005671	A	20031110	ZA 2002-5671	20020716
ZA 2002005837	A	20031104	ZA 2002-5837	20020722
US 2003040631	A1	20030227	US 2002-204275	20020820
US 6713635	B2	20040330		

Yes

BG 107016	A	20030430	BG 2002-107016	20020820
NO 2002003995	A	20021021	NO 2002-3995	20020822
US 2004092576	A1	20040513	US 2003-609544	20030701
US 6858740	B2	20050222		
US 2004192757	A1	20040930	US 2004-824345	20040415

PA Ucb Farchim S.A. (Ag - Ltd), Switz.

L4 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Process for the **preparation of levetiracetam**
 IN Futagawa, Tooru; Canvat, Jean-Pierre; Cavoy, Emile; Deleers, Michel;
 Hamende, Michel; Zimmermann, Vincent
 SO U.S., 4 pp.

CODEN: USXXAM

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 6107492	A	20000822	US 1999-306988	19990507
PA UCB, S.A., Belg.; Daicel Chemical Industries, Ltd.				

L4 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Levetiracetam (ucb L059) affects in vitro models of epilepsy in CA3
 pyramidal neurons without altering normal synaptic transmission
 AU Birnstiel, Susanne; Wulfert, Ernst; Beck, S. G.
 SO Naunyn-Schmiedeberg's Archives of Pharmacology (1997), 356(5), 611-618
 CODEN: NSAPCC; ISSN: 0028-1298

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
39.20	39.41

FULL ESTIMATED COST

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10/771, 121(c) 3/24/05

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COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE
ENTRY
0.21

TOTAL
SESSION
0.21

text search KEPPRA
(brand name)
levetiracetam

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FILE COVERS 1907 - 21 Mar 2005 VOL 142 ISS 13

FILE LAST UPDATED: 20 Mar 2005 (20050320/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s keppra

L1 28 KEPPRA

=> d ti,au,so

L1 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN

TI Parallel synthesis of Levetiracetam (Keppra-) and its analogs via an Ugi-RCM strategy

AU Miao, Guobin; Kan, Ying; Le, Chi; Joshi, Vivek; Qiu, Ruhui; Yu, Libing; Baldino, Carmen

SO Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005 (2005), ORGN-061 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69GQMP

=> d ti,au,so 2-28

L1 ANSWER 2 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN

TI An Open-Label Pilot Study of Levetiracetam for Essential Tremor

AU Ondo, William G.; Jimenez, J. Ernesto; Vuong, Kevin Dat; Jankovic, Joseph

SO Clinical Neuropharmacology (2004), 27(6), 274-277

CODEN: CLNEDB; ISSN: 0362-5664

- L1 ANSWER 3 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Levetiracetam influences human motor cortex excitability mainly by modulation of ion channel function-a TMS study
 AU Reis, Janine; Wentrup, Andreas; Hamer, Hajo M.; Mueller, Hans-Helge; Knake, Susanne; Tergau, Frithjof; Oertel, Wolfgang H.; Rosenow, Felix
 SO Epilepsy Research (2004), 62(1), 41-51
 CODEN: EPIRE8; ISSN: 0920-1211
- L1 ANSWER 4 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A validated chiral LC method for the enantioselective analysis of Levetiracetam and its enantiomer R- α -ethyl-2-oxo-pyrrolidine acetamide on amylose-based stationary phase
 AU Rao, B. M.; Ravi, R.; Reddy, B. Shyam Sundar; Sivakumar, S.; Gopi Chand, I.; Kumar, K. Praveen; Acharyulu, P. V. R.; Reddy, G. Om; Srinivasu, M. K.
 SO Journal of Pharmaceutical and Biomedical Analysis (2004), 35(5), 1017-1026
 CODEN: JPBADA; ISSN: 0731-7085
- L1 ANSWER 5 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Levetiracetam Interferes With the L-Dopa Priming Process in MPTP-Lesioned Drug-Naive Marmosets
 AU Hill, Michael P.; Brotchie, Jonathan M.; Crossman, Alan R.; Bezard, Erwan; Michel, Anne; Grimee, Renee; Klitgaard, Henrik
 SO Clinical Neuropharmacology (2004), 27(4), 171-177
 CODEN: CLNEDB; ISSN: 0362-5664
- L1 ANSWER 6 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Levetiracetam potentiates the antidyskinetic action of amantadine in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-lesioned primate model of Parkinson's disease
 AU Hill, Michael P.; Ravenscroft, Paula; Bezard, Erwan; Crossman, Alan R.; Brotchie, Jonathan M.; Michel, Anne; Grimee, Renee; Klitgaard, Henrik
 SO Journal of Pharmacology and Experimental Therapeutics (2004), 310(1), 386-394
 CODEN: JPETAB; ISSN: 0022-3565
- L1 ANSWER 7 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Is the persistent sodium current a specific target of anti-absence drugs?
 AU Niespodziany, Isabelle; Klitgaard, Henrik; Margineanu, Doru Georg
 SO NeuroReport (2004), 15(6), 1049-1052
 CODEN: NERPEZ; ISSN: 0959-4965
- L1 ANSWER 8 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Levetiracetam improves choreic levodopa-induced dyskinesia in the MPTP-treated macaque
 AU Bezard, Erwan; Hill, Michael P.; Crossman, Alan R.; Brotchie, Jonathan M.; Michel, Anne; Grimee, Renee; Klitgaard, Henrik
 SO European Journal of Pharmacology (2004), 485(1-3), 159-164
 CODEN: EJPHAZ; ISSN: 0014-2999
- L1 ANSWER 9 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Levetiracetam and partial seizure subtypes: pooled data from three randomized, placebo-controlled trials
 AU Leppik, Ilo E.; Biton, Victor; Sander, Josemir W. A.; Wieser, Heinz Gregor
 SO Epilepsia (2003), 44(12), 1585-1587
 CODEN: EPILAK; ISSN: 0013-9580
- L1 ANSWER 10 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Discovery of 4-Substituted Pyrrolidone Butanamides as New Agents with Significant Antiepileptic Activity
 AU Kenda, Benoit M.; Matagne, Alain C.; Talaga, Patrice E.; Pasau, Patrick M.; Differding, Edmond; Lallemand, Benedicte I.; Frycia, Anne M.; Moureau, Florence G.; Klitgaard, Henrik V.; Gillard, Michel R.; Fuks, Bruno; Michel, Philippe

SO Journal of Medicinal Chemistry (2004), 47(3), 530-549
CODEN: JMCMAR; ISSN: 0022-2623

L1 ANSWER 11 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
TI Anxiolytic effects of the novel anti-epileptic drug levetiracetam in the elevated plus-maze test in the rat
AU Gower, Alma J.; Falter, Ursula; Lamberty, Yves
SO European Journal of Pharmacology (2003), 481(1), 67-74
CODEN: EJPHAZ; ISSN: 0014-2999

L1 ANSWER 12 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
TI Seizure-free days observed in randomized placebo-controlled add-on trials with levetiracetam in partial epilepsy
AU Leppik, Ilo; Morrell, Martha; Godfroid, Philippe; Arrigo, Celestina
SO Epilepsia (2003), 44(10), 1350-1352
CODEN: EPILAK; ISSN: 0013-9580

L1 ANSWER 13 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
TI Localization and photoaffinity labelling of the levetiracetam binding site in rat brain and certain cell lines
AU Fuks, Bruno; Gillard, Michel; Michel, Philippe; Lynch, Berkley; Vertongen, Pascale; Leprince, Pierre; Klitgaard, Henrik; Chatelain, Pierre
SO European Journal of Pharmacology (2003), 478(1), 11-19
CODEN: EJPHAZ; ISSN: 0014-2999

L1 ANSWER 14 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
TI Binding characteristics of [3H]ucb 30889 to levetiracetam binding sites in rat brain
AU Gillard, Michel; Fuks, Bruno; Michel, Philippe; Vertongen, Pascale; Massingham, Roy; Chatelain, Pierre
SO European Journal of Pharmacology (2003), 478(1), 1-9
CODEN: EJPHAZ; ISSN: 0014-2999

L1 ANSWER 15 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
TI Reduction of voltage-operated potassium currents by levetiracetam: a novel antiepileptic mechanism of action?
AU Madeja, Michael; Margineanu, Doru Georg; Gorji, Ali; Siep, Elke; Boerrigter, Paul; Klitgaard, Henrik; Speckmann, Erwin-Josef
SO Neuropharmacology (2003), 45(5), 661-671
CODEN: NEPHBW; ISSN: 0028-3908

L1 ANSWER 16 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
TI Analysis of the antiepileptic drug **keppra** by capillary electrophoresis
AU Shihabi, Z. K.; Oles, K.; Hinsdale, M.
SO Journal of Chromatography, A (2003), 1004(1-2), 9-12
CODEN: JCRAEY; ISSN: 0021-9673

L1 ANSWER 17 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
TI Levetiracetam has no significant γ -aminobutyric acid-related effect on paired-pulse interaction in the dentate gyrus of rats
AU Margineanu, Doru Georg; Klitgaard, Henrik
SO European Journal of Pharmacology (2003), 466(3), 255-261
CODEN: EJPHAZ; ISSN: 0014-2999

L1 ANSWER 18 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
TI Levetiracetam, a new antiepileptic agent: lack of in vitro and in vivo pharmacokinetic interaction with valproic acid
AU Coupeze, Rene; Nicolas, Jean-Marie; Browne, Thomas R.
SO Epilepsia (2003), 44(2), 171-178
CODEN: EPILAK; ISSN: 0013-9580

L1 ANSWER 19 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN

- TI The anti-epileptic drug levetiracetam reverses the inhibition by negative allosteric modulators of neuronal GABA- and glycine-gated currents
 AU Rigo, J.-M.; Hans, G.; Nguyen, L.; Rocher, V.; Belachew, S.; Malgrange, B.; Leprince, P.; Moonen, G.; Selak, I.; Matagne, A.; Klitgaard, H.
 SO British Journal of Pharmacology (2002), 136(5), 659-672
 CODEN: BJPCBM; ISSN: 0007-1188
- L1 ANSWER 20 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The new antiepileptic drug levetiracetam normalises chlordiazepoxide withdrawal-induced anxiety in mice
 AU Lamberty, Yves; Gower, Alma J.; Klitgaard, Henrik
 SO European Journal of Pharmacology (2002), 439(1-3), 101-106
 CODEN: EJPHAZ; ISSN: 0014-2999
- L1 ANSWER 21 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A survey of some new drugs entering the field of commercial pharmaceutical compositions in 2001
 AU Masereel, Bernard
 SO Journal de Pharmacie de Belgique (2002), 57(1), 1-13
 CODEN: JPBEAJ; ISSN: 0047-2166
- L1 ANSWER 22 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Pharmacokinetic study of levetiracetam in children
 AU Pellock, John M.; Glauser, Tracy A.; Bebin, E. Martina; Fountain, Nathan B.; Ritter, Frank J.; Coupez, Rene M.; Shields, W. Donald
 SO Epilepsia (2001), 42(12), 1574-1579
 CODEN: EPILAK; ISSN: 0013-9580
- L1 ANSWER 23 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Dose-response effect of levetiracetam 1000 and 2000 mg/day in partial epilepsy
 AU Boon, P.; Chauvel, P.; Pohlmann-Eden, B.; Otoul, C.; Wroe, S.
 SO Epilepsy Research (2002), 48(1-2), 77-89
 CODEN: EPIRE8; ISSN: 0920-1211
- L1 ANSWER 24 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A systematic review of the safety profile of levetiracetam: a new antiepileptic drug
 AU French, Jacqueline; Edrich, Pascal; Cramer, Joyce A.
 SO Epilepsy Research (2001), 47(1-2), 77-90
 CODEN: EPIRE8; ISSN: 0920-1211
- L1 ANSWER 25 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Repeated administration of the novel antiepileptic agent levetiracetam does not alter digoxin pharmacokinetics and pharmacodynamics in healthy volunteers
 AU Levy, R. H.; Raguenau-Majlessi, I.; Baltes, E.
 SO Epilepsy Research (2001), 46(2), 93-99
 CODEN: EPIRE8; ISSN: 0920-1211
- L1 ANSWER 26 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Levetiracetam inhibits the high-voltage-activated Ca²⁺ current in pyramidal neurones of rat hippocampal slices
 AU Niespodziany, I.; Klitgaard, H.; Margineanu, D. G.
 SO Neuroscience Letters (2001), 306(1-2), 5-8
 CODEN: NELED5; ISSN: 0304-3940
- L1 ANSWER 27 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Efficacy and tolerability of 1000-4000 mg per day of levetiracetam as add-on therapy in patients with refractory epilepsy
 AU Grant, R.; Shorvon, S. D.
 SO Epilepsy Research (2000), 42(2-3), 89-95
 CODEN: EPIRE8; ISSN: 0920-1211

L1 ANSWER 28 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
TI Multicenter double-blind, randomized, placebo-controlled trial of
levetiracetam as add-on therapy in patients with refractory partial
seizures
AU Shorvon, Simon D.; Lowenthal, Armand; Janz, Dieter; Bielen, Edith;
Loiseau, Pierre
SO Epilepsia (2000), 41(9), 1179-1186
CODEN: EPILAK; ISSN: 0013-9580

=> d 1

L1 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2005:192085 CAPLUS
TI Parallel synthesis of Levetiracetam (Keppra-) and its analogs
via an Ugi-RCM strategy
AU Miao, Guobin; Kan, Ying; Le, Chi; Joshi, Vivek; Qiu, Ruhui; Yu, Libing;
Baldino, Carmen
CS Chemistry Department, ArQule, Inc, Woburn, MA, 01801, USA
SO Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United
States, March 13-17, 2005 (2005), ORGN-061 Publisher: American Chemical
Society, Washington, D. C.
CODEN: 69GQMP
DT Conference; Meeting Abstract
LA English

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	34.69	34.90

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=> s ugi(3a)rcm

0 UGI
0 RCM
L2 0 UGI(3A)RCM

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	34.96

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FILE LAST UPDATED: 20 Mar 2005 (20050320/ED)

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609 UGI
4 UGIS
613 UGI
(UGI OR UGIS)
1228 RCM
34 RCMS
1248 RCM
(RCM OR RCMS)
L3 3 UGI(3A)RCM

=> d L3 1-3

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2005:192085 CAPLUS
TI Parallel synthesis of Levetiracetam (Keppra-) and its analogs via an Ugi-RCM strategy
AU Miao, Guobin; Kan, Ying; Le, Chi; Joshi, Vivek; Qiu, Ruhui; Yu, Libing; Baldino, Carmen
CS Chemistry Department, ArQule, Inc, Woburn, MA, 01801, USA
SO Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005 (2005), ORGN-061 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69GQMP
DT Conference; Meeting Abstract
LA English

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:1086551 CAPLUS
DN 142:198341
TI A straightforward approach towards cyclic peptides via ring-closing metathesis-scope and limitations
AU Kazmaier, Uli; Hebach, Christina; Watzke, Anja; Maier, Sabine; Mues, Heike; Huch, Volker
CS Institut fuer Organische Chemie, Universitaet des Saarlandes, Saarbruecken, D-66123, Germany
SO Organic & Biomolecular Chemistry (2005), 3(1), 136-145
CODEN: OBCRAK; ISSN: 1477-0520
PB Royal Society of Chemistry
DT Journal
LA English

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ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:227212 CAPLUS
TI Parallel synthesis of macrocycles using an Ugi-RCM strategy
AU Guo, Luyi; Miao, Guobin; Joshi, Vivek; Yu, Libing; Baldino, Carmen M.
CS Department of Chemistry, ArQule, Inc, Woburn, MA, 01801, USA
SO Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United States, March 28-April 1, 2004 (2004), ORGN-342 Publisher: American

Chemical Society, Washington, D. C.
CODEN: 69FGKM
DT Conference; Meeting Abstract
LA English

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.53

42.49

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